

AMENDMENTS TO THE CLAIMS

Claim amendments and status:

1. (Currently Amended) A method for retrieving ~~obtaining~~ one or more output images, the method comprising:

building a learned dictionary of transform codes by examining ~~one or more~~ images in a database for one or more first compression patterns[[:]] and recording said first compression patterns in the learned dictionary, wherein the one or more compression patterns comprise one or more transform codes that are learned from the images in the database;

receiving ~~obtaining~~ a request for said one or more output images;

transforming the requested output images into requested transform codes; and

retrieving ~~obtaining~~ said output images using said first compression patterns from the database by comparing the requested transform codes to the learned transform codes.

2. (Currently Amended) The method of claim 1, wherein said receiving ~~obtaining~~ a request comprises:

receiving ~~obtaining~~ a text input;

locating one or more ~~of said first~~ compression patterns associated with said text input; and

retrieving ~~obtaining~~ said output images associated with said first compression patterns.

3. (Currently Amended) The method of claim 1, wherein said receiving ~~obtaining~~ a request comprises:

receiving ~~obtaining~~ an input image;

transforming the input image into input transform codes ~~determining one or more second compression patterns in said input image;~~

comparing said input transform codes to the learned transform codes ~~second compression patterns to said first compression patterns;~~ and

retrieving ~~obtaining~~ said output images from the database by comparing the input transform codes to the learned transform codes, wherein said second compression patterns are matched with said first compression patterns.

4. (Currently Amended) The method of claim 1, wherein said examining images in the database ~~further~~ comprises: dividing said images into one or more blocks; and obtaining said ~~first~~ compression patterns by examining said blocks.

5. (Canceled)

6. (Currently Amended) The method of claim 1 ~~claim 5~~ further comprising: applying a latent variable modeling technique to obtain said transform codes.

7. (Original) The method of claim 6, wherein said latent variable modeling is a Gaussian latent variable modeling.

8. (Currently Amended) The method of claim 1, wherein said retrieving ~~obtaining~~ said output images further comprises: applying a Bayes decision rule.

9. (Canceled)

10. (Currently Amended) A system ~~An apparatus~~ for retrieving ~~obtaining~~ one or more output images, the system comprising:

one or more images in a database, wherein the images are configured to be examined for one or more ~~first~~ compression patterns, wherein the one or more compression patterns comprise one or more transform codes that are learned from the images in the database;

a learned dictionary built from the transform codes learned from the images in the database by ~~for~~ recording said ~~first~~ compression patterns;

means for receiving a request ~~configured to be obtained~~ for said one or more output images;

means for transforming the requested output images into requested transform codes; and

means for retrieving said output images from the database by comparing the requested transform codes to the learned transform codes. ~~said output images configured to be obtained using said first compression patterns.~~

11. (Currently Amended) The system apparatus of claim 10, wherein said means for receiving a request comprises:

means for receiving a text input ~~configured to be obtained,~~

wherein one or more ~~of said first~~ compression patterns are associated with said text input and are configured to be located locatable using said text input, and

wherein said output images are associated with said ~~first~~ compression patterns and are configured to be obtained retrievable using said compression patterns.

12. (Currently Amended) The system apparatus of claim 11, wherein said means for receiving a request comprises:

means for receiving an input image ~~configured to be obtained,~~

wherein ~~one or more second compression patterns in~~ said input image is transformed into input transform codes, ~~are configured to be determined, and~~

wherein said input transform codes ~~second compression patterns are configured to be compared to said first compression patterns~~ the learned transform codes, and

wherein said output images are retrieved by comparing the input transform codes to the learned transform codes. ~~configured to be obtained wherein said second compression patterns are matched with said first compression patterns.~~

13. (Currently Amended) The system apparatus of claim 10, wherein further comprising: said images are configured to be divided into one or more blocks; and said ~~first~~ compression patterns ~~configured to be~~ are obtained by examining said blocks.

14. (Canceled)

15. (Currently Amended) The system apparatus of claim 10, wherein claim 14 further comprising: a latent variable modeling technique configured to be applied is used to obtain said transform codes.

16. (Currently Amended) The system apparatus of claim 15, wherein said latent variable modeling is a Gaussian latent variable modeling.

17. (Currently Amended) The system apparatus of claim 10, wherein further comprising: applying a Bayes decision rule is applied to retrieve said output images.

18. (Currently Amended) A computer program product comprising a computer usable medium having computer readable program code embodied therein configured to obtain one or more output images, said computer program product comprising:

computer readable code for building a learned dictionary of transform codes by examining images in a database for one or more compression patterns and recording said compression patterns in the learned dictionary, wherein the one or more compression patterns comprise one or more transform codes that are learned from the images in the database ~~configured to cause a computer to examine one or more images in a database for one or more first compression patterns; computer readable code configured to cause a computer to record said first compression patterns;~~

computer readable code for receiving a request for one or more output images ~~configured to cause a computer to obtain a request for said one or more output images;~~

computer readable code for transforming the requested output images into requested transform codes; and

computer readable code for retrieving said output images from the database by comparing the requested transform codes to the learned transform codes ~~configured to cause a computer to obtain said output images using said first compression patterns.~~

19. (Currently Amended) The computer program product of claim 18, wherein said computer readable code ~~configured to cause a computer to obtain~~ for receiving a request comprises:

computer readable code ~~configured to cause a computer to obtain~~ for receiving a text input;
computer readable code ~~configured to cause a computer to locate~~ for locating one or more of
~~said first~~ compression patterns associated with said text input; and
computer readable code ~~configured to cause a computer to obtain~~ for retrieving said output
images associated with said ~~first~~ compression patterns.

20. (Currently Amended) The computer program product of claim 19, wherein said
computer readable code ~~configured to cause a computer to obtain~~ for receiving a request comprises:

computer readable code ~~configured to cause a computer to obtain~~ for receiving an input
image;

computer readable code for transforming the input image into input transform codes
~~configured to cause a computer to determine one or more second compression patterns in said input~~
~~image;~~

computer readable code for comparing said input transform codes to the learned transform
codes ~~configured to cause a computer to compare said second compression patterns to said first~~
~~compression patterns;~~ and

computer readable code for retrieving said output images from the database by comparing
the input transform codes to the learned transform codes ~~configured to cause a computer to obtain~~
~~said output images wherein said second compression patterns are matched with said first~~
~~compression patterns.~~

21. (Currently Amended) The computer program product of claim 18, wherein said
computer readable code ~~configured to cause a computer to examine further~~ for examining images in
a database comprises:

computer readable code ~~configured to cause a computer to divide~~ for dividing said images
into one or more blocks; and

computer readable code ~~configured to cause a computer to obtain~~ for obtaining said first compression patterns by examining said blocks.

22. (Canceled)

23. (Currently Amended) The computer program product of claim 22, further comprising: computer readable code ~~configured to cause a computer to apply~~ for applying a latent variable modeling technique to obtain said transform codes.

24. (Original) The computer program product of claim 23 wherein said latent variable modeling is a Gaussian latent variable modeling.

25. (Currently Amended) The computer program product of claim 18, wherein said computer readable code ~~configured to cause a computer to obtain~~ for retrieving said output images further comprises: computer readable code ~~configured to cause a computer to apply~~ for applying a Bayes decision rule.

26. (Canceled)